Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A system for distributing portable computer virus definition records with binary file conversion, comprising:

a structured virus database storing one or more virus definition records, each virus definition record comprising:

an identifier uniquely identifying a computer virus;

at least one virus name associated with the computer virus;

a virus definition sentence comprising object code providing operations to detect the identified computer virus within a computer system; and

a virus removal sentence comprising object code providing operations to clean the identified computer virus from the computer system;

a client database engine storing at least one updated virus definition record into the structured virus database indexed by the identifier and the at least one virus name for each virus definition record;

a converter converting the virus definition records stored in the structured virus database into a virus data file comprising virus definition sets, each virus definition set comprising:

binary data encoding instructions to detect the computer virus within a computer system, wherein the instructions comprise the object code to detect the identified computer virus;

binary data encoding instructions to clean the computer virus from the computer system, wherein the instructions comprise the object code to clean the identified computer virus; and

names associated with the computer virus; and

- 4 -

a server database engine comparing subsequently modified versions of the structured virus database to form a delta set of virus definition records, wherein the client database engine stores the delta virus definition records set into the structured virus database;

wherein the server database engine builds the virus definition records into the structured virus database by generating the identifier for each virus definition record and populating each virus definition record with the virus definition sentence and the virus removal sentence for the computer virus.

2.   (original): A system according to Claim 1, further comprising:
a client anti-virus language decompiler converting each virus definition set in the virus data file into a virus definition record.

Claim 3 (canceled)

4.   (cancelled)

5.   (currently amended): A system according to Claim [4]1, further comprising:
a server anti-virus language decompiler converting each virus definition set in the virus data file into a virus definition record.

6.   (original): A system according to Claim 1, further comprising:
the database engine accessing the virus definition records in the structured virus database to perform at least one of adding, removing, and replacing a virus definition record.

7.   (original): A system according to Claim 1, further comprising:
a compression module compressing the structured virus database prior to transfer; and
a decompression module decompressing the structured virus database subsequent to transfer.

- 5 -

8.   (original): A system according to Claim 1, further comprising:

an encryption module encrypting the structured virus database prior to transfer; and

a decryption module decrypting the structured virus database subsequent to transfer.

9.   (original): A system according to Claim 1, wherein the structured virus database is a relational database.

10.   (currently amended): A method for distributing portable computer virus definition records with binary file conversion, comprising:

storing one or more virus definition records into a structured virus database, each virus definition record comprising:

an identifier uniquely identifying a computer virus;

at least one virus name associated with the computer virus;

a virus definition sentence comprising object code providing operations to detect the identified computer virus within a computer system; and

a virus removal sentence comprising object code providing operations to clean the identified computer virus from the computer system;

storing at least one updated virus definition record into the structured virus database indexed by the identifier and the at least one virus name for each virus definition record;

converting the virus definition records stored in the structured virus database into a virus data file comprising virus definition sets, each virus definition set comprising:

binary data encoding instructions to detect the computer virus within a computer system, wherein the instructions comprise the object code to detect the identified computer virus;

- 6 -

binary data encoding instructions to clean the computer virus from the computer system, wherein the instructions comprise the object code to clean the identified computer virus; and

names associated with the computer virus;

comparing subsequently modified versions of the structured virus database to form a delta set of virus definition records; and

storing the delta virus definition records set into the structured virus database;

wherein a server database engine builds the virus definition records into the structured virus database by generating the identifier for each virus definition record and populating each virus definition record with the virus definition sentence and the virus removal sentence for the computer virus.

11. (original): A method according to Claim 10, further comprising:

converting each virus definition set in the virus data file into a virus definition record.

Claim 12 (canceled)

13. (cancelled)

14. (currently amended): A method according to Claim [13]10, further comprising:

building a virus data file by organizing one or more virus definition sets into the virus data file; and

converting each virus definition set in the virus data file into a virus definition record.

15. (original): A method according to Claim 10, further comprising:

accessing the virus definition records in the structured virus database to perform at least one of adding, removing, and replacing a virus definition record.

16.   (original): A method according to Claim 10, further comprising:
compressing the structured virus database prior to transfer; and
decompressing the structured virus database subsequent to transfer.

17.   (original): A method according to Claim 10, further comprising:
encrypting the structured virus database prior to transfer; and
decrypting the structured virus database subsequent to transfer.

18.   (original): A method according to Claim 10, wherein the structured
virus database is a relational database.

19.   (original): A computer-readable storage medium holding code for
performing the method of Claim 10.

20.   (currently amended): A method for updating a binary computer
virus data file from virus definition records stored in a structured virus database,
comprising:

means for storing virus definition records into a structured virus database,
each virus definition record comprising an identifier, at least one virus name, a
virus definition sentence defining operations to detect the identified computer
virus, and a virus removal sentence defining operations to clean off the identified
computer virus;

means for comparing subsequently modified versions of the structured
virus database to form a delta set of virus definition records;

means for storing the delta virus definition records set into the structured
virus database;

means for converting the virus definition records stored in the structured
virus database into a virus data file comprising virus definition sets, each virus
definition set comprising binary instructions wherein the binary instructions
comprise the object code to detect the computer virus, binary instructions wherein

- 8 -

the binary instructions comprise the object code to clean off the computer virus, and names associated with the computer virus;

means for comparing subsequently modified versions of the structured virus database to form a delta set of virus definition records; [and]

means for storing the delta virus definition records set into the structured virus database: and

means for building the virus definition records into the structured virus database by generating the identifier for each virus definition record and populating each virus definition record with the virus definition sentence and the virus removal sentence for the computer virus.

- 9 -